

## **COMMITTEE OF THE WHOLE MEETING AGENDA**

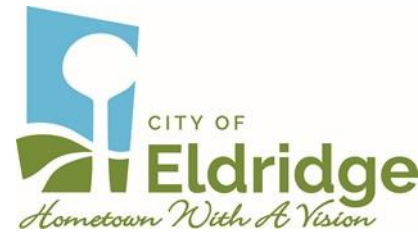
**Tuesday, September 3<sup>rd</sup>, 2024, 6:00 pm**

**Eldridge Community Center – 400 S 16<sup>th</sup> Ave**

1. Call to Order and Roll Call
2. Approval of Agenda
3. Old Business
  - A. Discussion on initial draft of Capital Improvement Plan (CIP) and project list
  - B. Discussion on the LeClaire Road Corridor Study and the 4<sup>th</sup> Avenue intersection
  - C. Discussion on Sheridan Meadows pond project area
4. Adjournment

# City of Eldridge

## MEMORANDIUM



To: Mayor and Council  
From: City Administrator, Nevada Lemke  
Re: Preliminary Capital Improvement Plan  
Date: August 28, 2024

Mayor and City Council:

Attached is a preliminary draft of the capital improvement plan. The FY25 projects were budgeted and recently bid, with a contract awarded to Eastern Iowa Eastern Iowa Excavating & Concrete, LLC. The FY26 project listed for South 1<sup>st</sup> Street was approved for engineering at the City Council meeting on August 19<sup>th</sup>, 2024. With those projects approved and underway per previous council actions, it is time to review the remaining identified projects, which have been tentatively scheduled over the next 3-5 fiscal years, before proceeding any further. The plan is organized with the first page listing the identified projects and potential programming years and the following pages including project map locations and project cost opinions as provided by the City Engineer.

For FY26, the 1<sup>st</sup> phase of 3 proposed phases for the Felner's Addition is listed, in addition to the already approved South 1<sup>st</sup> Street project. The Felner's Addition Rebuild includes two options, one for an asphalt overlay and one for concrete, with both cost opinions provided. This project would be funded over a period of 3 fiscal years, using local funds from our Road Use or Sales Tax Fund.

FY27-28 include the 2<sup>nd</sup> and 3<sup>rd</sup> phase of the Felner's Addition rebuild, East Iowa Street from 1<sup>st</sup> to 3<sup>rd</sup> with 6" PCC Pavement, and the updating and adding of culverts along Buttermilk Road. These projects are also expected to be funded using local funds from our Road Use and/or Sales Tax Funds.

The plan also lists some additional projects that have been identified as priority projects by the City Council, such as East LeClaire Road, Lincoln Road, Blackhawk Trail, and a pedestrian trail from East Lincoln Road/South 1<sup>st</sup> Street to Fox Ridge Road. There are currently steps being taken to determine the needs of these projects, the potential funding sources, and the timeline for scheduling. The Council approved a study for the LeClaire Road Corridor that will identify the improvements needed along the corridor based on an analysis of detailed traffic data and will assist in developing budget related project costs. Additionally, the City staff and engineering team are working with area agencies to request a review and reclassification of Lincoln Road to qualify it for State and Federal funding opportunities to aid in the completion of a reconstruction of Lincoln Road from Buttermilk to Hwy 61 including the construction of a multiuse path. These projects will seek grant funding, or would otherwise have to be funded by G.O. Bonds, Road Use, or Sales Tax funds.

Finally, it is important to note that this CIP only includes street or street-related projects. Additional planning for public facilities and park improvements will need to be developed and considered using a similar method with guidance from the Mayor, Council, and respective Boards.

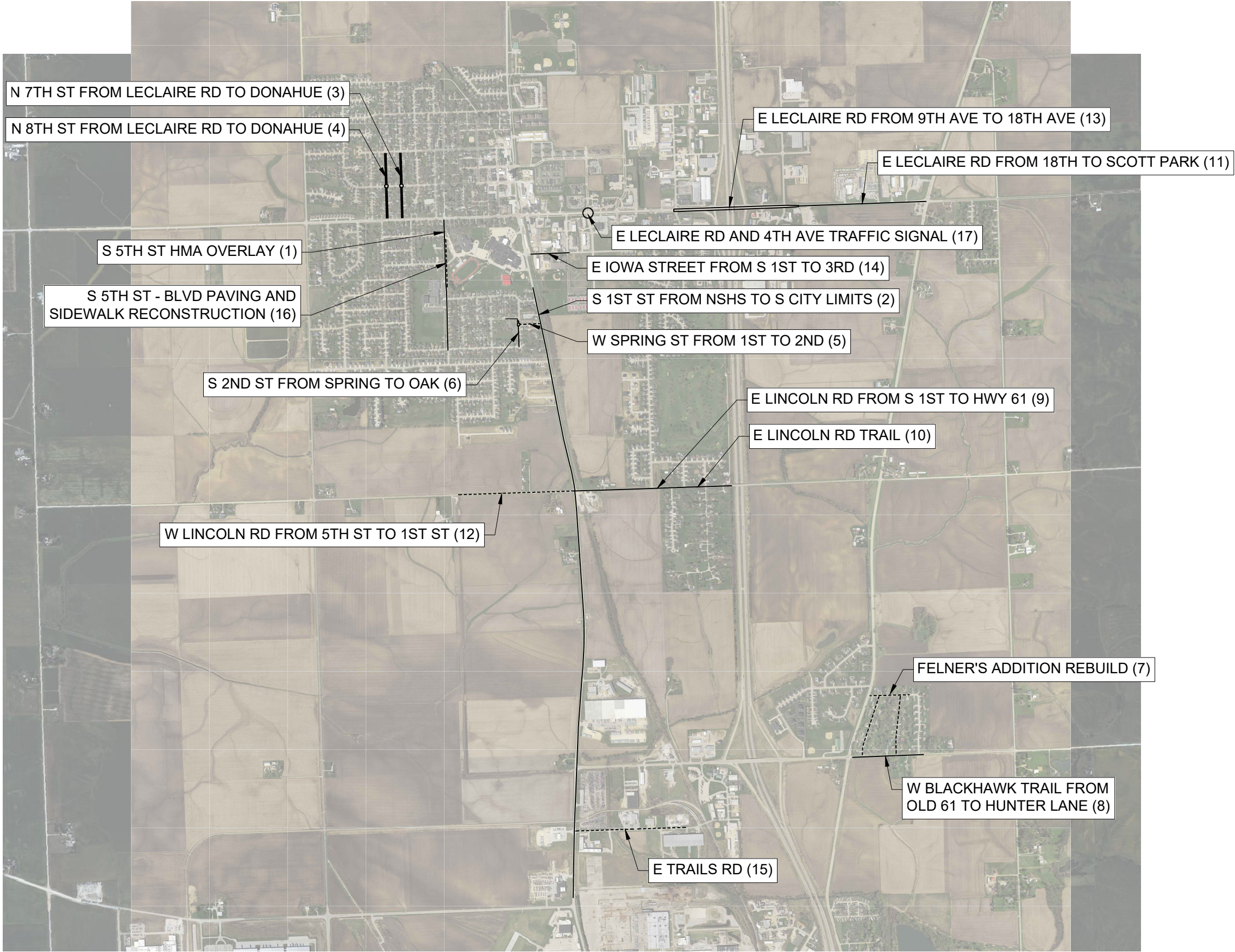
Mayor Frank King  
Councilman Adrian Blackwell

Councilman Ryan Iossi  
Councilman Daniel Collins

Councilman Scott Campbell  
Councilman Brian Dockery

	Source	FY24	FY25	FY26	FY27	FY28	3-5 Years
Complete	Sealcoat-Sheridan-Meadows-Main-Driveway	Sales-Tax					
		\$21,500					
Complete	Sealcoat-Lincoln-Rd-S-1st-to-Buttermilk	Road-Use					
		\$49,000					
Complete	Sealcoat-N-12th-Ave-from-E-Franklin-to-Gravel	Road-Use					
		\$17,000					
Complete	Traffic-Light-Leclaire-and-Hwy-61-Upgrade	Road-Use					
		\$40,000					
Complete	Street-Patching-Project-1	Road-Use					
		\$114,000					
Complete	Street-Patching-Project-2	Road-Use					
		\$390,000					
Approved Budget	North 7th St from LeClaire Rd to Donahue	Road Use		\$242,200			
Approved Budget	North 8th St from LeClaire Rd to Donahue	Road Use		\$241,400			
Approved Budget	West Spring from 1st to 2nd	Road Use		\$78,700			
Approved Budget	South 2nd St from Spring to Oak	Road Use		\$155,800			
Approved Budget	Trail - Townsend Farms (80% up to @285k)	Sales Tax		\$57,000			
Approved Budget	Traffic Light - 4th and Leclaire - New Install	Sales Tax		\$450,000			
	South 1st St from NSHS to South City Limits	4" HMA Overlay, No Mill		\$1,350,000			
		3" Mill on outer 4 feet; 3" overlay		\$1,800,000			
		4" Cold-In-Place Recycling; 4" Overlay		\$1,600,000			
		Install subdrain, patch outer 3'; widen roadway to 26'; 3" overlay		\$2,100,000			
	Felners Phase 1 S 25th Ave	4" HMA w/ PCC curb and gutter (subdrain only, no storm sewer)		\$620,000			
		6" PCC Pavement w/ curb (subdrain only, no storm sewer)		\$740,000			
	East Iowa Street from S 1st to S 3rd	6" PCC Pavement			\$449,800		
	Felners Phase 2 S 26th Ave	4" HMA w/ PCC curb and gutter (subdrain only, no storm sewer)			\$605,000		
		6" PCC Pavement w/ curb (subdrain only, no storm sewer)			\$695,000		
	S Buttermilk Culvert Between W LeClaire Rd & Robert Edger Ct	72" DIA Pipe Option			\$190,000		
		Box Culvert Option			\$275,000		
	Felners Phase 3 - 2500 Block of E Lomar St	4" HMA w/ PCC curb and gutter (subdrain only, no storm sewer)				\$490,000	
		6" PCC Pavement w/ curb (subdrain only, no storm sewer)				\$550,000	
	N Buttermilk Culvert About 1000' North of Lincoln Rd	84" Pipe Culvert Option					\$180,000
		Box Culvert Option					\$250,000
	South 5th HMA Overlay	will need coordination with the school district					\$396,600
	South 5th St Boulevard and Sidewalk Paving	will need coordination with the school district					\$217,000
	East Leclaire Rd from 9th Ave to 18th Ave	to be identified at the completion of the corridor study					\$1,936,100
	East Lincoln Rd from S 1st to Hwy 61						\$167,100
	West Lincoln Rd From 1st to 5th						\$351,700
	River Valley Coop Storm Sewer						\$40,000
	Traffic Light - 9th and Leclaire and 9th - Upgrade						\$40,000
	West Blackhawk Trail from Old 61 to Hunter Lane						\$159,800
	Trail - E Lincoln Rd / South 1st to Fox Ridge Rd						\$2,869,900
	East Leclaire Rd from 18th Ave to Scott Park Rd						\$339,800
	East Trails Rd						\$1,367,900







Pay Item	Unit	Unit Price	S 5th St HMA Overlay (1)		S 1st St from NSHS to S City Limits (2)		N 7th St from LeClaire Rd to Donahue (3) Budget in FY25		N 8th St from LeClaire Rd to Donahue (4) Budget in FY25	
			Approx. Length HMA (FT)	2500.0	Approx. Length HMA (FT)	11800.0	Approx. Length HMA (FT)	1175.0	Approx. Length HMA (FT)	1175.0
			Approx. Width HMA (FT)	31.0	Approx. Width HMA (FT)	24.0	Approx. Width HMA (FT)	31.0	Approx. Width HMA (FT)	31.0
			Additional HMA Area (SF)		Additional HMA Area (SF)		Additional HMA Area (SF)		Additional HMA Area (SF)	
			Approx. Length PCC (FT)		Approx. Length PCC (FT)		Approx. Length PCC (FT)		Approx. Length PCC (FT)	
			Approx. Width PCC (FT)		Approx. Width PCC (FT)		Approx. Width PCC (FT)		Approx. Width PCC (FT)	
			Additional PCC Areas (SF)	4225	Additional PCC Areas (SF)	8750	Additional PCC Areas (SF)	6050	Additional PCC Areas (SF)	5985
HMA Mill	SY	\$ 8.00	8611.11	68888.89	3146.67	25173.33	4047.22	32377.78	4047.22	32377.78
HMA Overlay	TON	\$ 125.00	968.75	121093.75	7080.00	885000.00	455.31	56914.06	455.31	56914.06
Curb Grinding	LF	\$ 10.00		0.00		0.00	2350.00	23500.00	2350.00	23500.00
Full Depth Patching	SY	\$ 150.00	430.56	64583.33		0.00		0.00		0.00
Pavement Removal	SY	\$ 15.00		0.00		0.00	725.56	10883.33	718.33	10775.00
Aggregate Base	SY	\$ 15.00		0.00		0.00		0.00		0.00
Aggregate Shoulder	TON	\$ 35.00		0.00		0.00		0.00		0.00
PCC Pavement	SY	\$ 70.00	469.44	32861.11	972.22	68055.56	672.22	47055.56	665.00	46550.00
2ft PCC Curb and Gutter	LF	\$ 40.00		0.00		0.00		0.00		0.00
4' Wide PCC Sidewalk	SF	\$ 10.00		0.00		0.00	480.00	4800.00	480.00	4800.00
10' Wide PCC Trail	SF	\$ 25.00		0.00		0.00		0.00		0.00
Property Acquisition	AC	\$ 50,000.00		0.00		0.00		0.00		0.00
Earthwork	CY	\$ 20.00		0.00		0.00		0.00		0.00
Subdrain	LF	\$ 15.00		0.00		0.00		0.00		0.00
Storm Sewer Pipe	LF	\$ 125.00		0.00		0.00		0.00		0.00
Storm Sewer Intakes	EA	\$ 3,500.00		0.00		0.00		0.00		0.00
			Construction Subtotal	\$ 287,427.08	Construction Subtotal	\$ 978,228.89	Construction Subtotal	\$ 175,530.73	Construction Subtotal	\$ 174,916.84
			20% Contingency	\$ 57,485.42	20% Contingency	\$ 195,645.78	20% Contingency	\$ 35,106.15	20% Contingency	\$ 34,983.37
			15% Design/CA/CO	\$ 51,736.88	15% Design/CA/CO	\$ 176,081.20	15% Design/CA/CO	\$ 31,595.53	15% Design/CA/CO	\$ 31,485.03
			Total Project Cost	\$ 396,600.00	Total Project Cost	\$ 1,350,000.00	Total Project Cost	\$ 242,200.00	Total Project Cost	\$ 241,400.00
			*Assume 5% patching, 2" overlay		*Assumes 10% milled, 4" overlay					

Per 11/27/23 meeting with BW & NL, we will budget for numbers 3, 4, 5, & 6 in FY25

Pay Item	Unit	Unit Price	W Spring St from 1st to 2nd (5)  Budget in FY25		S 2nd St from Spring to Oak (6)  Budget in FY25		Felner's Addition Rebuild HMA (7)		Felner's Addition Rebuild Concrete (7)	
			Approx. Length HMA (FT)	383.0	Approx. Length HMA (FT)	450.0	Approx. Length HMA (FT)	3020.0	Approx. Length HMA (FT)	
			Approx. Width HMA (FT)	31.0	Approx. Width HMA (FT)	31.0	Approx. Width HMA (FT)	31.0	Approx. Width HMA (FT)	
			Additional HMA Area (SF)		Additional HMA Area (SF)		Additional HMA Area (SF)		Additional HMA Area (SF)	
			Approx. Length PCC (FT)		Approx. Length PCC (FT)		Approx. Length PCC (FT)		Approx. Length PCC (FT)	3020.0
			Approx. Width PCC (FT)		Approx. Width PCC (FT)		Approx. Width PCC (FT)		Approx. Width PCC (FT)	31.0
			Additional PCC Areas (SF)	2805	Additional PCC Areas (SF)	1560	Additional PCC Areas (SF)	3825	Additional PCC Areas (SF)	3825
HMA Mill	SY	\$ 8.00	1319.22	10553.78	1550.00	12400.00		0.00		0.00
HMA Overlay	TON	\$ 125.00	148.41	18551.56	174.38	21796.88	2340.50	292562.50		0.00
Curb Grinding	LF	\$ 10.00		0.00		0.00		0.00		0.00
Full Depth Patching	SY	\$ 150.00		0.00		0.00		0.00		0.00
Pavement Removal	SY	\$ 15.00	325.00	4875.00	173.33	2600.00	10402.22	156033.33	10827.22	162408.33
Aggregate Base	SY	\$ 15.00		0.00		0.00	11073.33	166100.00	11525.75	172886.29
Aggregate Shoulder	TON	\$ 35.00		0.00		0.00		0.00		0.00
PCC Pavement	SY	\$ 70.00	311.67	21816.67	173.33	12133.33	425.00	29750.00	10827.22	757905.56
2ft PCC Curb and Gutter	LF	\$ 40.00		0.00		0.00	6040.00	241600.00		0.00
4' Wide PCC Sidewalk	SF	\$ 10.00	120.00	1200.00	1600.00	16000.00		0.00		0.00
10' Wide PCC Trail	SF	\$ 25.00		0.00		0.00		0.00		0.00
Property Acquisition	AC	\$ 50,000.00		0.00		0.00		0.00		0.00
Earthwork	CY	\$ 20.00		0.00		0.00		0.00		0.00
Subdrain	LF	\$ 15.00		0.00		0.00	6040.00	90600.00	6040.00	90600.00
Storm Sewer Pipe	LF	\$ 125.00		0.00	300.00	37500.00	3300.00	412500.00	3300.00	412500.00
Storm Sewer Intakes	EA	\$ 3,500.00		0.00	3.00	10500.00	23.00	80500.00	23.00	80500.00
			Construction Subtotal	\$ 56,997.01	Construction Subtotal	\$ 112,930.21	Construction Subtotal	\$ 1,469,645.83	Construction Subtotal	\$ 1,676,800.18
			20% Contingency	\$ 11,399.40	20% Contingency	\$ 22,586.04	20% Contingency	\$ 293,929.17	20% Contingency	\$ 335,360.04
			15% Design/CA/CO	\$ 10,259.46	15% Design/CA/CO	\$ 20,327.44	15% Design/CA/CO	\$ 264,536.25	15% Design/CA/CO	\$ 301,824.03
			Total Project Cost	\$ 78,700.00	Total Project Cost	\$ 155,800.00	Total Project Cost	\$ 2,028,100.00	Total Project Cost	\$ 2,314,000.00
			*Assume 5% patching, 2" overlay		*Assume 5% patching, 2" overlay		*Assumes 4" HMA			

Pay Item	Unit	Unit Price	W Blackhawk Trail from Old 61 to Hunter Lane (8)		E Lincoln Rd from S 1st to Hwy 61 (9)		E Lincoln Rd Trail (10)		E LeClaire Rd from 18th to Scott Park (11)	
			Approx. Length HMA (FT)	1359.0	Approx. Length HMA (FT)	3012.0	Approx. Length HMA (FT)		Approx. Length HMA (FT)	2445.0
			Approx. Width HMA (FT)	24.0	Approx. Width HMA (FT)	21.0	Approx. Width HMA (FT)		Approx. Width HMA (FT)	24.0
			Additional HMA Area (SF)		Additional HMA Area (SF)		Additional HMA Area (SF)		Additional HMA Area (SF)	
			Approx. Length PCC (FT)		Approx. Length PCC (FT)		Approx. Length PCC (FT)	3010	Approx. Length PCC (FT)	
			Approx. Width PCC (FT)		Approx. Width PCC (FT)		Approx. Width PCC (FT)		Approx. Width PCC (FT)	
			Additional PCC Areas (SF)	1415	Additional PCC Areas (SF)	2135	Additional PCC Areas (SF)		Additional PCC Areas (SF)	2455
HMA Mill	SY	\$ 8.00	362.40	2899.20	702.80	5622.40		0.00	326.00	2608.00
HMA Overlay	TON	\$ 125.00	815.40	101925.00	790.65	98831.25		0.00	1467.00	183375.00
Curb Grinding	LF	\$ 10.00		0.00		0.00		0.00		0.00
Full Depth Patching	SY	\$ 150.00		0.00		0.00		0.00	125.00	18750.00
Pavement Removal	SY	\$ 15.00		0.00		0.00	930.00	13950.00		0.00
Aggregate Base	SY	\$ 15.00		0.00		0.00	49164.00	737460.00		0.00
Aggregate Shoulder	TON	\$ 35.00		0.00		0.00		0.00	354.53	12408.38
PCC Pavement	SY	\$ 70.00	157.22	11005.56	237.22	16605.56	930.00	65100.00	272.78	19094.44
2ft PCC Curb and Gutter	LF	\$ 40.00		0.00		0.00		0.00		0.00
4' Wide PCC Sidewalk	SF	\$ 10.00		0.00		0.00		0.00		0.00
10' Wide PCC Trail	SF	\$ 25.00		0.00		0.00	40970.00	1024250.00	400.00	10000.00
Property Acquisition	AC	\$ 50,000.00		0.00		0.00	1.73	86375.11		0.00
Earthwork	CY	\$ 20.00		0.00		0.00	6688.89	133777.78		0.00
Subdrain	LF	\$ 15.00		0.00		0.00		0.00		0.00
Storm Sewer Pipe	LF	\$ 125.00		0.00		0.00	150.00	18750.00		0.00
Storm Sewer Intakes	EA	\$ 3,500.00		0.00		0.00		0.00		0.00
			Construction Subtotal	\$ 115,829.76	Construction Subtotal	\$ 121,059.21	Construction Subtotal	\$ 2,079,662.89	Construction Subtotal	\$ 246,235.82
			20% Contingency	\$ 23,165.95	20% Contingency	\$ 24,211.84	20% Contingency	\$ 415,932.58	20% Contingency	\$ 49,247.16
			15% Design/CA/CO	\$ 20,849.36	15% Design/CA/CO	\$ 21,790.66	15% Design/CA/CO	\$ 374,339.32	15% Design/CA/CO	\$ 44,322.45
			Total Project Cost	\$ 159,800.00	Total Project Cost	\$ 167,100.00	Total Project Cost	\$ 2,869,900.00	Total Project Cost	\$ 339,800.00
			*Assumes 10% milled, 4" overlay		*Assumes 10% milled, 4" overlay				*Assumes 5% milled, 4" overlay	

Pay Item	Unit	Unit Price	W Lincoln Rd From 5th St to 1st St (12)		E LeClaire Rd from 9th Ave to 18th Ave (13)		E Iowa Street from S 1 <sup>st</sup> to 3 <sup>rd</sup> (14)		E Trails Rd (15)	
			Approx. Length HMA (FT)	2230.0	Approx. Length HMA (FT)		Approx. Length HMA (FT)		Approx. Length HMA (FT)	
			Approx. Width HMA (FT)	26.0	Approx. Width HMA (FT)		Approx. Width HMA (FT)		Approx. Width HMA (FT)	
			Additional HMA Area (SF)		Additional HMA Area (SF)		Additional HMA Area (SF)		Additional HMA Area (SF)	
			Approx. Length PCC (FT)		Approx. Length PCC (FT)		Approx. Length PCC (FT)	745	Approx. Length PCC (FT)	2030
			Approx. Width PCC (FT)		Approx. Width PCC (FT)		Approx. Width PCC (FT)	31	Approx. Width PCC (FT)	31
			Additional PCC Areas (SF)	580	Additional PCC Areas (SF)	113145	Additional PCC Areas (SF)	1895	Additional PCC Areas (SF)	4550
HMA Mill	SY	\$ 8.00	277.78	2222.22		0.00		0.00		0.00
HMA Overlay	TON	\$ 125.00	1449.50	181187.50		0.00		0.00		0.00
Curb Grinding	LF	\$ 10.00		0.00		0.00		0.00		0.00
Full Depth Patching	SY	\$ 150.00		0.00		0.00		0.00		0.00
Pavement Removal	SY	\$ 15.00		0.00	12571.67	188575.00	2776.67	41650.00	7497.78	112466.67
Aggregate Base	SY	\$ 15.00		0.00	13095.49	196432.29	2955.81	44337.10	7981.51	119722.58
Aggregate Shoulder	TON	\$ 35.00		0.00	1856.00	64960.00		0.00		0.00
PCC Pavement	SY	\$ 70.00	64.44	4511.11	12571.67	880016.67	2776.67	194366.67	7497.78	524844.44
2ft PCC Curb and Gutter	LF	\$ 40.00		0.00		0.00		0.00	4060.00	162400.00
4' Wide PCC Sidewalk	SF	\$ 10.00		0.00	100.00	1000.00	400.00	4000.00		0.00
10' Wide PCC Trail	SF	\$ 25.00		0.00		0.00		0.00		0.00
Property Acquisition	AC	\$ 50,000.00		0.00		0.00		0.00		0.00
Earthwork	CY	\$ 20.00		0.00		0.00		0.00		0.00
Subdrain	LF	\$ 15.00	4460.00	66900.00	4800.00	72000.00	1490.00	22350.00	4060.00	60900.00
Storm Sewer Pipe	LF	\$ 125.00		0.00		0.00	70.00	8750.00	31.00	3875.00
Storm Sewer Intakes	EA	\$ 3,500.00		0.00		0.00	3.00	10500.00	2.00	7000.00
			Construction Subtotal	\$ 254,820.83	Construction Subtotal	\$ 1,402,983.96	Construction Subtotal	\$ 325,953.76	Construction Subtotal	\$ 991,208.69
			20% Contingency	\$ 50,964.17	20% Contingency	\$ 280,596.79	20% Contingency	\$ 65,190.75	20% Contingency	\$ 198,241.74
			15% Design/CA/CO	\$ 45,867.75	15% Design/CA/CO	\$ 252,537.11	15% Design/CA/CO	\$ 58,671.68	15% Design/CA/CO	\$ 178,417.56
			Total Project Cost	\$ 351,700.00	Total Project Cost	\$ 1,936,100.00	Total Project Cost	\$ 449,800.00	Total Project Cost	\$ 1,367,900.00
			*4" overlay							

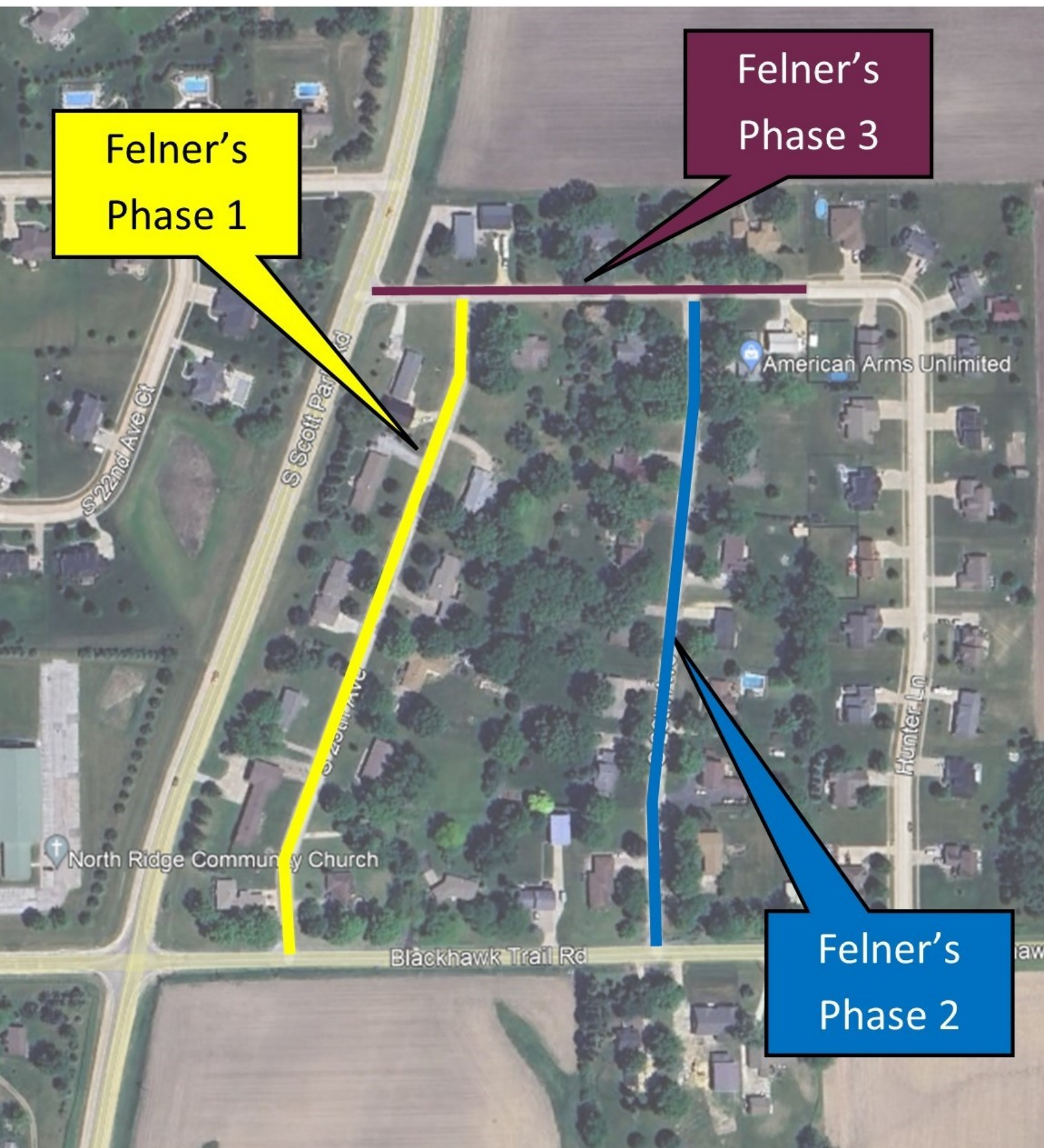


Pay Item	Unit	Unit Price	S 5th St - Blvd Paving and Sidewalk Reconstruction (16)		E Leclaire Rd and 4th Ave Traffic Signal (17)	
			Approx. Length HMA (FT)		Approx. Length HMA (FT)	
			Approx. Width HMA (FT)		Approx. Width HMA (FT)	
			Additional HMA Area (SF)		Additional HMA Area (SF)	
			Approx. Length PCC (FT)	935	Approx. Length PCC (FT)	
			Approx. Width PCC (FT)	9	Approx. Width PCC (FT)	
			Additional PCC Areas (SF)		Additional PCC Areas (SF)	
HMA Mill	SY	\$ 8.00		0.00		0.00
HMA Overlay	TON	\$ 125.00		0.00		0.00
Curb Grinding	LF	\$ 10.00		0.00		0.00
Full Depth Patching	SY	\$ 150.00		0.00		0.00
Pavement Removal	SY	\$ 15.00	935.00	14025.00		0.00
Aggregate Base	SY	\$ 15.00	1558.33	23375.00		0.00
Aggregate Shoulder	TON	\$ 35.00		0.00		0.00
PCC Pavement	SY	\$ 70.00	935.00	65450.00		0.00
2ft PCC Curb and Gutter	LF	\$ 40.00		0.00		0.00
4' Wide PCC Sidewalk	SF	\$ 10.00	3740.00	37400.00		0.00
10' Wide PCC Trail	SF	\$ 25.00		0.00		0.00
Property Acquisition	AC	\$ 50,000.00		0.00		0.00
Earthwork	CY	\$ 20.00		0.00		0.00
Subdrain	LF	\$ 15.00	935.00	14025.00		0.00
Storm Sewer Pipe	LF	\$ 125.00		0.00		0.00
Storm Sewer Intakes	EA	\$ 3,500.00	1.00	3500.00		0.00
			Construction Subtotal	\$ 157,775.00	Construction Subtotal	\$ -
			20% Contingency	\$ 31,555.00	20% Contingency	\$ -
			15% Design/CA/CO	\$ 28,399.50	15% Design/CA/CO	\$ -
			Total Project Cost	\$ 217,700.00	Total Project Cost	\$ 486,000.00

Felner's  
Phase 1

Felner's  
Phase 3

Felner's  
Phase 2





North  
Buttermilk  
Culvert

Leclair Rd

155th Ave

S Buttermilk Rd

W Le Claire Rd

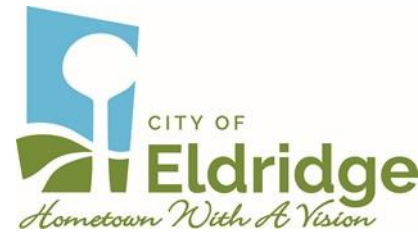
S 5th St

Eldr

South  
Buttermilk  
Culvert

# City of Eldridge

## MEMORANDIUM



To: Mayor and Council  
From: City Administrator, Nevada Lemke  
Re: Leclaire Rd Corridor Study and 4<sup>th</sup> Ave Intersection  
Date: August 28, 2024

Mayor and City Council:

This item was requested to be added as a discussion item on the agenda. The Leclaire Road Corridor Study was approved by the City Council on March 18, 2024 and will be used to aid in development of Capital Improvement Planning. The scope of services for the study includes transportation planning and traffic engineering, with the project deliverables being to define the improvements needed along the corridor and developing budget related project costs. The proposal for the study is attached for your review.

As part of the study, the engineering team analyzed traffic data to determine the performance of the three existing signalized intersections, and to develop concepts for improvements to the existing unsignalized intersections. The City Council identified the 4<sup>th</sup> Avenue & Leclaire Road intersection as a priority, and worked with the previous City Engineer on options for signalizing the intersection. The project was put on hold but has remained in the budget for the past several fiscal years. With the initial presentation of results from the Corridor study, this intersection was again brought forward for consideration for a roundabout. The Resolution to support an application for TSIP funding for the roundabout project was voted on by Council on August 5<sup>th</sup>, 2024 and did not pass. It was brought forward again at the Council meeting on August 19<sup>th</sup>, and the Council voted to proceed with signalization of the intersection as budgeted.

On August 27<sup>th</sup>, I received additional information from the current City Engineer regarding the signalization of the intersection at 4<sup>th</sup> Avenue & Leclaire Road. The current FY25 Budget allocates \$400,000 for the traffic signal at 4<sup>th</sup> & Leclaire out of the City's Sales Tax Fund. The previous City Engineer developed a cost opinion of \$486,000 for this project in 2019 when the project originated. His original pricing included the removal of 3 mid-crossings. Our current City Engineer has updated the project cost opinion to align with current pricing and included the removal of the 3 mid-crossings as originally planned, but notes that the City could always do that separately from the traffic signal to decrease costs.

Additionally, there were two preliminary options that were prepared for signal layouts. The project cost opinion is based on Option 1, as Option 2 would require relocation or raising of the overhead power lines. That associated cost is not included in the current project cost opinion which estimates \$586,971 for the total cost. The project cost opinion and both signal layout options are attached for your review.

Mayor Frank King  
Councilman Adrian Blackwell

Councilman Ryan Iossi  
Councilman Daniel Collins

Councilman Scott Campbell  
Councilman Brian Dockery



## ***PROFESSIONAL SERVICES AGREEMENT***

**ATTN:** Nevada Lemke  
**CLIENT:** City of Eldridge  
305 N 3<sup>rd</sup> St  
Eldridge, IA 52748

**PROJECT:** LeClaire Road Corridor Study

**PROJECT LOCATION:** Eldridge, IA

**DATE OF AGREEMENT:** March 18, 2024

### **PROJECT DESCRIPTION**

Provide transportation engineering and planning services for the E. LeClaire Road Corridor in Eldridge, Iowa from N 1<sup>st</sup> Street/S 1<sup>st</sup> Street to N Scott Park Road/S Scott Park Road. The 1.5-mile-long corridor has three signalized intersections. Gather and analyze detailed traffic data and provide a report to define the improvements needed along the corridor and develop budget related project costs.

### **SCOPE OF SERVICES**

We will provide the following services for the project:

Transportation planning, Traffic Engineering

#### **1. Project Management and Coordination**

- A. Kickoff Meeting - the CONSULTANT shall coordinate and lead a project kickoff meeting with the CLIENT and their appropriate staff.
- B. Project administration
- C. City Council Meeting to present the results.
- D. Monthly meetings with City representatives (assumes by Teams)

#### **2. Public Outreach and Coordination**

- A. Stakeholder coordination and public outreach with City (assumes 1 hour meeting time and one hour for prep and notes)
- B. Public Open House - Share Conceptual Alternatives:  
This meeting would occur after Preliminary Plans have been completed. More design details will be shared and comments can be provided.
- C. One-on-One Meetings - It is anticipated to have four (4) meetings with individual property owners and the CONSULTANT to address property specific issues. If additional meetings are required during Project, then these services will be added by a supplemental agreement.





### 3. Data Collection:

#### A. Traffic Counts

- a. Six (6) hours (AM, PM) turning movement counts will be collected at the following signalized intersections:
  - 1) E LeClaire Road & 1<sup>st</sup> Street
  - 2) E Le Claire Road & 9<sup>th</sup> Avenue
  - 3) E Le Claire Road & Highway 61 northbound on-ramp
- b. Twelve (12) hours (6:00 AM through 6:00 PM) turning movement counts will be collected at the following unsignalized intersections:
  - 1) E Le Claire Road & S 3<sup>rd</sup> Avenue
  - 2) E Le Claire Road & N 4<sup>th</sup> Avenue/S 4<sup>th</sup> Avenue
  - 3) E Le Claire Road & N 6<sup>th</sup> Avenue/S 6<sup>th</sup> Avenue
  - 4) E Le Claire Road & Highway 61 southbound on-ramp
  - 5) E Le Claire Road & S 14<sup>th</sup> Avenue/Access Point
  - 6) E Le Claire Road & N 16<sup>th</sup> Avenue/S 16<sup>th</sup> Avenue
  - 7) E Le Claire Road & S 18th Avenue
  - 8) E Le Claire Road & N Scott Park Road/S Scott Park Road

#### B. Existing Conditions:

- A. Study area boundary will include the intersections previously listed.
- B. Adjacent Streets:
  - 1) Functional classification,
  - 2) Width, number of lanes, intersection configurations, and
  - 3) Posted speed limits and on-street parking.
- C. Field Visit
  - 1) Pavement Condition
  - 2) Identify features to include in concept development.

### 4. Corridor Study

- A. Traffic Analysis
  - a. Crash Review:
    - i. Review and analyze 10-year crash data for the intersections previously listed.
- B. Proposed New Land Uses:
  - i. ITE trip generation and trip distribution.

C. Traffic Forecast:

- A. Develop traffic forecast using information from Iowa DOT interactive statewide traffic maps and historical AADT maps for the following years:

- 1) Opening Year – 2025;
- 2) 10 years after opening: 2035; and,
- 3) 20 Design Year - 2045.

D. Traffic Modeling:

- A. Prepare AM and PM traffic models including the intersections previously listed using Vistro or Synchro/Simtraffic for the following scenarios:

- 1) Existing conditions,
- 2) Opening Year – 2025, and
- 3) 20 Design Year – 2045.

E. Traffic Signal Warrant:

- A. Analyze MUTCD signal warrant #1 and #2 at the current unsignalized intersections for the following scenarios:

- 1) Existing conditions,
- 2) Opening Year – 2025, and,
- 3) 10 years after opening: 2035.

F. Multimodal Review:

- A. Pedestrian, bicyclist, and transit accommodations.

- 1) Site considerations.
- 2) Connectivity to facilities near the site.

G. Conclusions and Recommendations:

- A. Discuss potential concerns or modifications to the following:

- 1) Roadway and intersection safety and operations.
- 2) Geometric impacts to the streets and intersections (addition of turning lanes, change in control),
- 3) Pedestrian, bicyclist, and transit accommodations,
- 4) Queue analysis, and,
- 5) Access management.

- B. Prepare a report with recommendations.
- C. Funding: We will identify a list of potential funding sources that could be utilized by the City for the costs associated with this roadway construction project.

## 5. Concept Development

- A. The Consultant will develop a concept for the E Le Claire Corridor. The concept will include recommendations based on the traffic analysis which will include: roadway improvements, pedestrian accommodations, intersection improvements and preliminary property owner impacts. Concept graphics shall be in the form of an exhibit or strip map for the corridor.
- B. Cost Opinion: Based on the results of the information gathered in this study, we will prepare an updated opinion of probable cost for the project.

## CLIENT RESPONSIBILITIES

It will be your responsibility to provide the following:

1. Identify a Project Representative with full authority to act on behalf of the Client with respect to this project. The Client Project Representative shall render decisions in a timely manner in order to avoid delays of Shive-Hattery's services.
2. Legal, accounting, and insurance counseling services or other consultants, including geotechnical, or vendors that may be necessary. The Client shall coordinate these services with those services provided by Shive-Hattery.
3. Provide to Shive-Hattery any available drawings, survey plats, testing data and reports related to the project, either hard copy or electronic media. Electronic media is preferred.
4. Unless specifically included in the Scope of Services to be provided by Shive-Hattery, the Client shall furnish tests, inspections, permits and reports required by law, regulation or code including but not limited to hazardous materials, structural, mechanical, chemical, air pollution and water pollution tests.
5. Provide Shive-Hattery personnel unlimited access to the site as required.

## SCHEDULE

We have begun our services based on your verbal authorization to proceed. After you have returned this countersigned Agreement, we will release our work product.

The services shall be performed in accordance with the following schedule:

Activity:	Date:
Signed Contract and Kickoff Meeting	April 1, 2024
Data Collection	April 8, 2024
Corridor Study	May 20, 2024
Preliminary Findings and Recommendations	May 27, 2024
Draft Report	June 17, 2024
Open House	July 15, 2024

Additional Findings and Recommendations	August 5, 2024
Concepts, Costs	August 19, 2024
Final Report	September 2, 2024
Final Presentation to Client	September 16, 2024

### COMPENSATION

Description	Fee Type	Fee	Estimated Expenses	Total
Project Management and Coordination	Fixed Fee	\$3,800	Included	
Public Outreach and Coordination	Fixed Fee	\$3,200	Included	
Data Collection	Fixed Fee	\$3,750	Included	
Corridor Study	Fixed Fee	\$13,600	Included	
Concept Development	Fixed Fee	\$18,800	Included	
<b>TOTAL</b>		<b>\$43,150</b>	<b>Included</b>	<b>\$43,150</b>

#### Fee Types:

- Fixed Fee - We will provide the Scope of Services for the fee amounts listed above.

#### Expenses:

- Included - For Fixed Fee Type, expenses have been included in the Fee amount. For Hourly Fee Types, expenses will be reimbursed in accordance with our Reimbursable Expense Fee Schedule in effect at the time that the expense is incurred.

The terms of this proposal are valid for 30 days from the date of this proposal.

### ADDITIONAL SERVICES

Unless specifically stated in the Scope of Services, any resilient design related services including areas of resistance, reliability, and redundancy (i.e., flood protection, storm/tornado shelter, emergency generators, utility backup, etc.) are not included in this proposal.

The following are additional services you may require for your project. We can provide these services, but they are not part of this proposal at this time.

1. Road or intersection design.
2. Site Design.
3. Evaluation of additional scenarios.
4. Land Survey Services.
5. Addition of any intersections or driveways access not listed in the scope.
6. Design or Construction documents of client approved concepts
7. 3D Renderings for use with stakeholders

**AGREEMENT**

When accepted by both parties, this Amendment will amend the Original Agreement and is subject to all other terms and conditions of the Original Agreement. Original, facsimile, electronic signatures or other electronic acceptance by the parties (and returned to Shive-Hattery) are deemed acceptable for binding the parties to the Amendment. The Client representative signing this Amendment warrants that he or she is authorized to enter into this Amendment on behalf of the Client.

Sincerely,  
SHIVE-HATTERY, INC.



Zach Howell, Civil Engineer  
zhowell@shive-hattery.com

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***AMENDMENT ACCEPTED AND SERVICES AUTHORIZED TO PROCEED***

**CLIENT:** City of Eldridge

**BY:** \_\_\_\_\_ **TITLE:** \_\_\_\_\_  
(signature)

**PRINTED NAME:** \_\_\_\_\_ **DATE ACCEPTED:** \_\_\_\_\_









City of Eldridge  
LeClaire Rd & 4th Avenue Traffic Signal  
8/27/2024  
2240001180

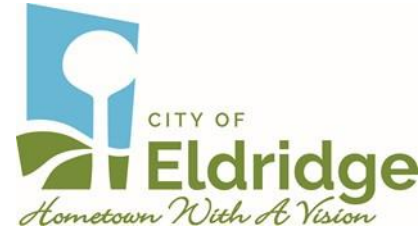
**Engineer's Opinion of Probable Construction Cost**

Item	Unit	Quantity	Unit Price	Total
PAVEMENT REMOVAL	SY	161	\$ 20.00	\$ 3,220.00
SIDEWALK REMOVAL	SY	120	\$ 25.00	\$ 3,000.00
MID-BLOCK CROSSING REMOVAL	EA	3	\$ 25,000.00	\$ 75,000.00
PCC PAVEMENT, 10"	SY	161	\$ 90.00	\$ 14,490.00
PCC SIDEWALK, 6"	SY	140	\$ 85.00	\$ 11,900.00
STREET LIGHT RELOCATION/REPLACEMENT	EA	4	\$ 6,500.00	\$ 26,000.00
TRAFFIC SIGNALIZATION	LS	1	\$ 400,000.00	\$ 400,000.00

TOTAL CONSTRUCTION COST	\$ 533,610.00
10% DESIGN/CA/CO & CONTINGENCY	\$ 53,361.00
TOTAL	\$ 586,971.00

# City of Eldridge

## MEMORANDIUM



To: Mayor and Council  
From: City Administrator, Nevada Lemke  
Re: Sheridan Meadows Pond Area  
Date: August 28, 2024

Mayor and City Council:

The City Council and Park Board have been discussing plans for a pond project in the City of Eldridge for many years. This project has been proposed at two different locations, one being Sheridan Meadows and the other being Hickory Creek. The City Engineer has recently submitted a proposal for a site feasibility study and preliminary design for the project at Hickory Creek Park, at the direction of the City Council and Park Board.

The area at Sheridan Meadows that was being considered for this project has become an area of concern. It used to be just a stream but was dug out to be used as a stormwater basin several years ago and is now challenged by localized flooding and significant erosion. Both the Park Board and the City Council have voiced concerns about this area and expressed the need to determine potential solutions to these challenges.

This topic has been communicated to the City Engineer for assistance in identifying possible solutions as well as any challenges with implementing any suggested solutions or projects. One potential option we could consider for controlling the erosion would be to perform bank stabilization efforts. The City Engineer will continue to research potential options for this area that can be considered by the City Council and Park Board.

Mayor Frank King  
Councilman Adrian Blackwell

Councilman Ryan Iossi  
Councilman Daniel Collins

Councilman Scott Campbell  
Councilman Brian Dockery